

PPS3 publication list as of June 15 2023

- 1: Garnier S, Harakalova M, Weiss S, Mokry M, Regitz-Zagrosek V, Hengstenberg C, Cappola TP, Isnard R, Arbustini E, Cook SA, van Setten J, Calis JJA, Hakonarson H, Morley MP, Stark K, Prasad SK, Li J, O'Regan DP, Grasso M, Müller-Nurasyid M, Meitinger T, Empana JP, Strauch K, Waldenberger M, Marguiles KB, Seidman CE, Kararigas G, Meder B, Haas J, Boutouyrie P, Lacolley P, Jouven X, Erdmann J, Blankenberg S, Wichter T, Ruppert V, Tavazzi L, Dubourg O, Roizes G, Dorent R, de Groote P, Fauchier L, Trochu JN, Aupetit JF, Bilinska ZT, Germain M, Völker U, Hemerich D, Raji I, Bacq-Daian D, Proust C, Remior P, Gomez-Bueno M, Lehnert K, Maas R, Olaso R, Saripella GV, Felix SB, McGinn S, Duboscq-Bidot L, van Mil A, Besse C, Fontaine V, Blanché H, Ader F, Keating B, Curjol A, Boland A, Komajda M, Cambien F, Deleuze JF, Dörr M, Asselbergs FW, Villard E, Trégouët DA, Charron P. Genome-wide association analysis in dilated cardiomyopathy reveals two new players in systolic heart failure on chromosomes 3p25.1 and 22q11.23. *Eur Heart J*. 2021 May 21;42(20):2000-2011. doi: 10.1093/eurheartj/ehab030. Erratum in: *Eur Heart J*. 2021 May 21;42(20):2011. PMID: 33677556; PMCID: PMC8139853.
- 2: Climie RE, Boutouyrie P, Perier MC, Guibout C, van Sloten TT, Thomas F, Danchin N, Sharman JE, Laurent S, Jouven X, Empana JP. Individual and Neighborhood Deprivation and Carotid Stiffness. *Hypertension*. 2019 Jun;73(6):1185-1194. doi: 10.1161/HYPERTENSIONAHA.118.12186. PMID: 31006334.
- 3: Deraz O, Rangé H, Boutouyrie P, Chatzopoulou E, Asselin A, Guibout C, Van Sloten T, Bougouin W, Andrieu M, Védié B, Thomas F, Danchin N, Jouven X, Bouchard P, Empana JP. Oral Condition and Incident Coronary Heart Disease: A Clustering Analysis. *J Dent Res*. 2022 May;101(5):526-533. doi: 10.1177/00220345211052507. Epub 2021 Dec 7. PMID: 34875909.
- 4: Empana JP, Lerner I, Perier MC, Guibout C, Jabre P, Bailly K, Andrieu M, Climie R, van Sloten T, Védie B, Geromin D, Marijon E, Thomas F, Danchin N, Boutouyrie P, Jouven X. Ultrasensitive Troponin I and Incident Cardiovascular Disease. *Arterioscler Thromb Vasc Biol*. 2022 Dec;42(12):1471-1481. doi: 10.1161/ATVBAHA.122.317961. Epub 2022 Nov 3. PMID: 36325900.
- 5: Hausler N, Lisan Q, Van Sloten T, Haba-Rubio J, Perier MC, Thomas F, Danchin N, Guibout C, Boutouyrie P, Heinzer R, Jouven X, Marques-Vidal P, Empana JP. Cardiovascular health and sleep disturbances in two population-based cohort studies. *Heart*. 2019 Oct;105(19):1500-1506. doi: 10.1136/heartjnl-2018-314485. Epub 2019 Apr 8. PMID: 30962189.
- 6: Empana JP, Boutouyrie P, Lemogne C, Jouven X, van Sloten TT. Microvascular Contribution to Late-Onset Depression: Mechanisms, Current Evidence, Association With Other Brain Diseases, and Therapeutic Perspectives. *Biol Psychiatry*. 2021 Aug 15;90(4):214-225. doi: 10.1016/j.biopsych.2021.04.012. Epub 2021 Apr 28.

PMID: 34325805.

7: Simon M, Boutouyrie P, Narayanan K, Gaye B, Tafflet M, Thomas F, Guibout C, Périer MC, Pannier B, Jouven X, Empana JP. Sex disparities in ideal cardiovascular health. *Heart*. 2017 Oct;103(20):1595-1601. doi: 10.1136/heartjnl-2017-311311. Epub 2017 Jul 28. PMID: 28754808.

8: van Sloten TT, Boutouyrie P, Lisan Q, Tafflet M, Thomas F, Guibout C, Climie RE, Pannier B, Sharman JE, Laurent S, Jouven X, Empana JP. Body Silhouette Trajectories Across the Lifespan and Vascular Aging. *Hypertension*. 2018 Nov;72(5):1095-1102. doi: 10.1161/HYPERTENSIONAHA.118.11442. PMID: 30354814.

9: Vulser H, Lemogne C, Boutouyrie P, Côté F, Perier MC, Van Sloten T, Hoertel N, Danchin N, Limosin F, Jouven X, Empana JP. Depression, antidepressants and low hemoglobin level in the Paris Prospective Study III: A cross-sectional analysis. *Prev Med*. 2020 Jun;135:106050. doi: 10.1016/j.ypmed.2020.106050. Epub 2020 Mar 8. PMID: 32156564.

10: Kiando SR, Tucker NR, Castro-Vega LJ, Katz A, D'Escamard V, Tréard C, Fraher D, Albuissou J, Kadian-Dodov D, Ye Z, Austin E, Yang ML, Hunker K, Barlassina C, Cusi D, Galan P, Empana JP, Jouven X, Gimenez-Roqueplo AP, Bruneval P, Hyun Kim ES, Olin JW, Gornik HL, Azizi M, Plouin PF, Ellinor PT, Kullo IJ, Milan DJ, Ganesh SK, Boutouyrie P, Kovacic JC, Jeunemaitre X, Bouatia-Naji N. PHACTR1 Is a Genetic Susceptibility Locus for Fibromuscular Dysplasia Supporting Its Complex Genetic Pattern of Inheritance. *PLoS Genet*. 2016 Oct 28;12(10):e1006367. doi: 10.1371/journal.pgen.1006367. PMID: 27792790; PMCID: PMC5085032.

11: Zanolli L, Empana JP, Perier MC, Alivon M, Ketthab H, Castellino P, Laude D, Thomas F, Pannier B, Laurent S, Jouven X, Boutouyrie P. Increased carotid stiffness and remodelling at early stages of chronic kidney disease. *J Hypertens*. 2019 Jun;37(6):1176-1182. doi: 10.1097/HJH.0000000000002007. PMID: 30624367.

12: van Sloten TT, Boutouyrie P, Tafflet M, Offredo L, Thomas F, Guibout C, Climie RE, Lemogne C, Pannier B, Laurent S, Jouven X, Empana JP. Carotid Artery Stiffness and Incident Depressive Symptoms: The Paris Prospective Study III. *Biol Psychiatry*. 2019 Mar 15;85(6):498-505. doi: 10.1016/j.biopsych.2018.09.018. Epub 2018 Oct 4. PMID: 30409381.

13: Lisan Q, Tafflet M, Thomas F, Boutouyrie P, Guibout C, Haba-Rubio J, Climie R, Périer MC, Van Sloten T, Pannier B, Marques-Vidal P, Jouven X, Empana JP. Body Silhouette Trajectories Over the Lifespan and Insomnia Symptoms: The Paris Prospective Study 3. *Sci Rep*. 2019 Feb 7;9(1):1581. doi: 10.1038/s41598-018-38145-7. PMID: 30733545; PMCID: PMC6367427.

14: Lisan Q, van Sloten T, Climie RE, Boutouyrie P, Guibout C, Thomas F, Danchin N, Jouven X, Empana JP. Sleep apnoea is associated with hearing impairment: The

Paris prospective study 3. *Clin Otolaryngol*. 2020 Sep;45(5):681-686. doi: 10.1111/coa.13557. Epub 2020 May 22. PMID: 32329188.

15: Esslinger U, Garnier S, Korniat A, Proust C, Kararigas G, Müller-Nurasyid M, Empana JP, Morley MP, Perret C, Stark K, Bick AG, Prasad SK, Kriebel J, Li J, Tired L, Strauch K, O'Regan DP, Marguiles KB, Seidman JG, Boutouyrie P, Lacolley P, Jouven X, Hengstenberg C, Komajda M, Hakonarson H, Isnard R, Arbustini E, Grallert H, Cook SA, Seidman CE, Regitz-Zagrosek V, Cappola TP, Charron P, Cambien F, Villard E. Exome-wide association study reveals novel susceptibility genes to sporadic dilated cardiomyopathy. *PLoS One*. 2017 Mar 15;12(3):e0172995. doi: 10.1371/journal.pone.0172995. Erratum in: *PLoS One*. 2020 Feb 14;15(2):e0229472. PMID: 28296976; PMCID: PMC5351854.

16: Engelen L, Ferreira I, Stehouwer CD, Boutouyrie P, Laurent S; Reference Values for Arterial Measurements Collaboration. Reference intervals for common carotid intima-media thickness measured with echotracking: relation with risk factors. *Eur Heart J*. 2013 Aug;34(30):2368-80. doi: 10.1093/eurheartj/ehs380. Epub 2012 Nov 27. PMID: 23186808.

17: Climie RE, Boutouyrie P, Perier MC, Chaussade E, Plichart M, Offredo L, Guibout C, van Sloten TT, Thomas F, Pannier B, Sharman JE, Laurent S, Jouven X, Empana JP. Association Between Occupational, Sport, and Leisure Related Physical Activity and Baroreflex Sensitivity: The Paris Prospective Study III. *Hypertension*. 2019 Dec;74(6):1476-1483. doi: 10.1161/HYPERTENSIONAHA.119.13461. Epub 2019 Nov 4. PMID: 31679418.

18: Proust C, Empana JP, Boutouyrie P, Alivon M, Challande P, Danchin N, Escriou G, Esslinger U, Laurent S, Li Z, Pannier B, Regnault V, Thomas F, Jouven X, Cambien F, Lacolley P. Contribution of Rare and Common Genetic Variants to Plasma Lipid Levels and Carotid Stiffness and Geometry: A Substudy of the Paris Prospective Study 3. *Circ Cardiovasc Genet*. 2015 Aug;8(4):628-36. doi: 10.1161/CIRCGENETICS.114.000979. Epub 2015 Jul 9. PMID: 26160806.

19: Gaye B, Mustafic H, Laurent S, Perier MC, Thomas F, Guibout C, Tafflet M, Pannier B, Boutouyrie P, Jouven X, Empana JP. Ideal Cardiovascular Health and Subclinical Markers of Carotid Structure and Function: The Paris Prospective Study III. *Arterioscler Thromb Vasc Biol*. 2016 Oct;36(10):2115-24. doi: 10.1161/ATVBAHA.116.307920. Epub 2016 Sep 1. PMID: 27585698.

20: Rangé H, Perier MC, Boillot A, Offredo L, Lisan Q, Guibout C, Thomas F, Danchin N, Boutouyrie P, Jouven X, Bouchard P, Empana JP. Chewing capacity and ideal cardiovascular health in adulthood: A cross-sectional analysis of a population-based cohort study. *Clin Nutr*. 2020 May;39(5):1440-1446. doi: 10.1016/j.clnu.2019.05.029. Epub 2019 Jun 13. PMID: 31235417.

21: Zanolli L, Empana JP, Estrugo N, Escriou G, Ketthab H, Prunty JF, Castellino P, Laude D, Thomas F, Pannier B, Jouven X, Boutouyrie P, Laurent S. The Neural

Baroreflex Pathway in Subjects With Metabolic Syndrome: A Sub-Study of the Paris Prospective Study III. *Medicine (Baltimore)*. 2016 Jan;95(2):e2472. doi: 10.1097/MD.0000000000002472. PMID: 26765449; PMCID: PMC4718275.

22: Lisan Q, van Sloten T, Boutouyrie P, Laurent S, Danchin N, Thomas F, Guibout C, Perier MC, Dagnelie P, Henry RM, Schram MT, Heinzer R, Marques-Vidal P, van der Kallen CJ, Crijns HJ, van Greevenbroek M, Reesink K, Köhler S, Sastry M, Jouven X, Stehouwer CDA, Empana JP. Sleep Apnea is Associated With Accelerated Vascular Aging: Results From 2 European Community-Based Cohort Studies. *J Am Heart Assoc*. 2021 Aug 3;10(15):e021318. doi: 10.1161/JAHA.120.021318. Epub 2021 Jul 26. PMID: 34308679; PMCID: PMC8475690.

23: Cseh D, Climie RE, Offredo L, Guibout C, Thomas F, Zanolli L, Danchin N, Sharman JE, Laurent S, Jouven X, Boutouyrie P, Empana JP. Type 2 Diabetes Mellitus Is Independently Associated With Decreased Neural Baroreflex Sensitivity: The Paris Prospective Study III. *Arterioscler Thromb Vasc Biol*. 2020 May;40(5):1420-1428. doi: 10.1161/ATVBAHA.120.314102. Epub 2020 Mar 19. Erratum in: *Arterioscler Thromb Vasc Biol*. 2020 Jun;40(6):e184. PMID: 32188272.

24: Wiernik E, Lemogne C, Thomas F, Perier MC, Guibout C, Nabi H, Laurent S, Pannier B, Boutouyrie P, Jouven X, Empana JP. Perceived stress, common carotid intima media thickness and occupational status: The Paris Prospective Study III. *Int J Cardiol*. 2016 Oct 15;221:1025-30. doi: 10.1016/j.ijcard.2016.07.068. Epub 2016 Jul 5. PMID: 27447809.

25: Empana JP, Perier MC, Singh-Manoux A, Gaye B, Thomas F, Prugger C, Plichart M, Wiernik E, Guibout C, Lemogne C, Pannier B, Boutouyrie P, Jouven X. Cross-sectional analysis of deprivation and ideal cardiovascular health in the Paris Prospective Study 3. *Heart*. 2016 Dec 1;102(23):1890-1897. doi: 10.1136/heartjnl-2016-309502. Epub 2016 Jun 27. PMID: 27354274.

26: Sharman JE, Boutouyrie P, Perier MC, Thomas F, Guibout C, Khettab H, Pannier B, Laurent S, Jouven X, Empana JP. Impaired baroreflex sensitivity, carotid stiffness, and exaggerated exercise blood pressure: a community-based analysis from the Paris Prospective Study III. *Eur Heart J*. 2018 Feb 14;39(7):599-606. doi: 10.1093/eurheartj/ehx714. PMID: 29281076.

27: Gaye B, Prugger C, Perier MC, Thomas F, Plichart M, Guibout C, Lemogne C, Pannier B, Boutouyrie P, Jouven X, Empana JP. High level of depressive symptoms as a barrier to reach an ideal cardiovascular health. The Paris Prospective Study III. *Sci Rep*. 2016 Jan 8;6:18951. doi: 10.1038/srep18951. PMID: 26743318; PMCID: PMC4705528.

28: Empana JP, Prugger C, Thomas F, Perier MC, Zanolli L, Castiglioni P, Guibout C, Causeret S, Barnes C, Lemogne C, Parati G, Laurent S, Pannier B, Boutouyrie P, Jouven X. Serotonin and norepinephrine reuptake inhibitors antidepressant use is related to lower baroreflex sensitivity independently of the severity of

depressive symptoms. A community-study of 9213 participants from the Paris Prospective Study III. *Atherosclerosis*. 2016 Aug;251:55-62. doi: 10.1016/j.atherosclerosis.2016.05.040. Epub 2016 May 26. PMID: 27266822.

29: Lisan Q, van Sloten TT, Lemogne C, Offredo L, Climie RE, Boutouyrie P, Guibout C, Thomas F, Danchin N, Jouven X, Empana JP. Association of Hearing Impairment with Incident Depressive Symptoms: A Community-Based Prospective Study. *Am J Med*. 2019 Dec;132(12):1441-1449.e4. doi: 10.1016/j.amjmed.2019.05.039. Epub 2019 Jun 24. PMID: 31247178.

30: Boillot A, Jouven X, Rangé H, Perier MC, Thomas F, Guibout C, Pannier B, Boutouyrie P, Empana JP, Bouchard P. Association between individual and neighbourhood socioeconomic factors and masticatory efficiency: a cross-sectional analysis of the Paris Prospective Study 3. *J Epidemiol Community Health*. 2018 Feb;72(2):132-139. doi: 10.1136/jech-2017-209593. Epub 2017 Dec 6. PMID: 29212665.

31: Herbert A, Cruickshank JK, Laurent S, Boutouyrie P; Reference Values for Arterial Measurements Collaboration. Establishing reference values for central blood pressure and its amplification in a general healthy population and according to cardiovascular risk factors. *Eur Heart J*. 2014 Nov 21;35(44):3122-33. doi: 10.1093/eurheartj/ehu293. Epub 2014 Aug 11. PMID: 25112663.

32: Esslinger U, Garnier S, Korniat A, Proust C, Kararigas G, Müller-Nurasyid M, Empana JP, Morley MP, Perret C, Stark K, Bick AG, Prasad SK, Kriebel J, Li J, Tired L, Strauch K, O'Regan DP, Marguiles KB, Seidman JG, Boutouyrie P, Lacolley P, Jouven X, Hengstenberg C, Komajda M, Hakonarson H, Isnard R, Arbustini E, Grallert H, Cook SA, Seidman CE, Regitz-Zagrosek V, Cappola TP, Charron P, Cambien F, Villard E. Correction: Exome-wide association study reveals novel susceptibility genes to sporadic dilated cardiomyopathy. *PLoS One*. 2020 Feb 14;15(2):e0229472. doi: 10.1371/journal.pone.0229472. Erratum for: *PLoS One*. 2017 Mar 15;12(3):e0172995. PMID: 32059048; PMCID: PMC7021299.

33: Empana JP, Bean K, Guibout C, Thomas F, Bingham A, Pannier B, Boutouyrie P, Jouven X; PPS3 Study Group. Paris Prospective Study III: a study of novel heart rate parameters, baroreflex sensitivity and risk of sudden death. *Eur J Epidemiol*. 2011 Nov;26(11):887-92. doi: 10.1007/s10654-011-9618-x. Epub 2011 Oct 1. PMID: 21964902.

34: Chatzopoulou E, Rangé H, Deraz O, Boutouyrie P, Perier MC, Guibout C, Thomas F, Andrieu M, Bailly K, Védie B, Danchin N, Jouven X, Bouchard P, Empana JP. Poor Masticatory Capacity and Blood Biomarkers of Elevated Cardiovascular Disease Risk in the Community: The Paris Prospective Study III. *Arterioscler Thromb Vasc Biol*. 2021 Jul;41(7):2225-2232. doi: 10.1161/ATVBAHA.121.316085. Epub 2021 May 27. PMID: 34039017.

35: Lisan Q, Tafflet M, Charles MA, Thomas F, Boutouyrie P, Guibout C, Haba-Rubio J, Pérrier MC, Pannier B, Marques-Vidal P, Jouven X, Empana JP. Self-reported body silhouette trajectories across the lifespan and excessive daytime sleepiness in adulthood: a retrospective analysis. The Paris Prospective Study III. *BMJ Open*. 2018 Mar 27;8(3):e020851. doi: 10.1136/bmjopen-2017-020851. PMID: 29593025; PMCID: PMC5875603.

36: Poirat L, Gaye B, Perier MC, Thomas F, Guibout C, Climie RE, Offredo L, Tafflet M, Lemogne C, Pannier B, Boutouyrie P, Jouven X, Empana JP. Perceived stress is inversely related to ideal cardiovascular health: The Paris Prospective Study III. *Int J Cardiol*. 2018 Nov 1;270:312-318. doi: 10.1016/j.ijcard.2018.06.040. Epub 2018 Jun 12. PMID: 29936046.

37: Thomas F, Empana JP, Charles MA, Boutouyrie P, Jouven X, Pannier B, Danchin N. Silhouettes aux différents âges de la vie : méthode d'appréciation rétrospective de la corpulence et de son impact sur la prévalence de l'hypertension à 60 ans [Silhouettes at different age of life: Retrospective appreciation of corpulence and his impact on prevalence of hypertension at 60years]. *Ann Cardiol Angeiol (Paris)*. 2017 Jun;66(3):171-175. French. doi: 10.1016/j.ancard.2017.04.002. Epub 2017 Jun 21. PMID: 28647059.